

ABSTRACT

A method and an apparatus for secure registration for a multicast-broadcast-multimedia system (MBMS) are disclosed. A random number is generated by a broadcast-multicast-service center (BM-SC) and broadcast to user equipment in the coverage area of a radio access network (RAN). A memory module or smart card (UICC) in the user equipment generates a radio access network key (RAK) which is a function of the random number and a key selected from the group consisting of a public land mobile network key (PK) and a broadcast access key (BAK), and then generates a temporary registration key (RGK) as a function of the RAK, a service identification number and a user identification number, for example, P-TMSI, which may be extracted by the RAN to authenticate the registration as legitimate.